NEW INVENTION GIVES EITHER HOT OR COLD AIR

Lowers Temperature

MAGIC OF MODERN SCIENCE

Plans of Baltimore Refrigerating and Heating Company as Explained by One of Officials.

An official of the Baltimore Refriger ating and Heating Company, which has secured a permit to lay its conduits in the streets, stated yesterday that it proposed to go ahead as rapidly as possible with the work. In further explanation of the plans of the company he said:

'We have purchased the necessary properties to complete our plants, and the work of equipping them will be prosecuted at once.

"A great deal of interest has been ex pressed in the company's plans for distributing heat and cold," contitued the "Contrary to general belief, the refrigerating pipe mains will not be cold, but will be at the same temperature as other mains, such as gas and The pipe line carries what might be called a cold potential-that is, means of producing cold or, more exactly speaking, the means of taking up

"The pipe line supplies the means of continually taking away heat from inclosed areas. This is accomplished by means of liquid anhydrous ammonia which is sent out through a main pipe and connected by branch or service pipes with the customer's refrigerator or other space to be cooled. This liquid is held under pressure in the pipe, so it cannot expand or boil or take up any heat, hence the 'liquid line,' as it is called, is at the same temperature as the ground through which it passes.

pipe is connected to a coil of piping inside of the refrigerator, called the pansion coil.' This coil connects at its other end with a second service pipe and second main laid alongside of the liquid as executors of the will. line. This is called the 'vapor line.' By the action of the machinery at the central station a low pressure is main tained in the vapor line and the expansion coils connected with it.

"A specially constructed valve allows the liquid to trickle from the liquid line where there is pressure into the expansion coils, where the pressure is about the same as the atmosphere.

"The amount of pipe surface and feed of ammonia is so adjusted that all of the liquid is boiled to a gas in the expansion piping, and all of the refrigerating effect of the liquid is used up in the refrigerator; the gas which leaves the expansion piping by way of the vapor line service pipe has practically no refrigerating power, hence the vap. line is also at or very near the temperature of the ground.

"The refrigerating machine at the central station is continually sucking back the gas and compressing it into condensers, where the heat is squeezed out of it and taken away by cooling water and it is recondensed to a liquid and again sent out through the liquid line on its cooling mission. It will thus be seen that the cooling methods are exactly the reverse of steam-heating oper-

"In steam heating the liquid is boiled to a gas (steam) at the central station and sent out as a gas to the radiators: here it is condensed to a liquid (water), giving out heat that flows from the radiator through the air of the room and through the walls to the outer cold air. The condensed water may be reboiled to

"In the refrigerating pipe line a liquid is sent out to the expansion coils (cor-responding to the steam radiators) and is then boiled to a gas by heat which has come from the warm outer air through the wails and air in the refrigerator. This heat is brought back by the gas and

This heat is brought back by the gas and thrown into the sewer by means of the cooling water, which takes it away from the condensers. The gas is again condensed to a liquid.

"In order that repairs and extensions may be made on the line and in and around the customer's refrigerators a third main, celled the vacuum main, is laid alongside the liquid and vapor mains. This vacuum main has service branches running to every refrigerator. If a repair or an extension is to be made branches running to every refrigerator. If a repair or an extension is to be made the expansion piping is cut off from the liquid and vapor services by valves and a valve is opened into the vacuum line. The action of a vacuum pump at the central station clears the section of piping cut off of the service mains, saves all the ammonia and allows the piping to be opened and extended or repaired without stoppage of refrigeration at any other point and avoiding all smell of ammonia. The vacuum main is also connected at all manholes, so that repairs can be made on the main line, but secarefully is the main line laid and tested that as a matter of experience repairs are seldom, if ever, necessary.

"In the early days of steam heating a return main was laid to carry back to the central station the condensed water from the radiators of the customers. It was found that distilled water or the water of condensation reduced from a high If a repair or an extension is to be made

ter of condensation reduced from a high temperature attacked the iron or steel pipe, rendering it worthless in the course of four or five years. It would not, how-ever, attack cast iron.

of four or five years. It would not, however, attack cast iron.

"The return line was therefore abandoned, and in its place what is known as an economizing coil is used in each building. This coil is placed in a tin-lined box with a fresh-air lulet and a tin-pipe outlet to a register in the floor above, just the same as in furnace practice. In this way a continual current of warm, fresh air is introduced into the building, and all the available heat that remains in the water of condensation is utilized to supplement the work of radiators, at the same time securing perfect ventilation. Modern methods are used to prevent the leakage caused by expansion and contraction. The experience of a quarter of a century has gradually developed a system of insulation which has practically reached its commercial limit and has reduced the loss of heat by radiation to from one-fourth of 1 per cent to 5 per cent, depending on the amount of steam used through a given length of main, the percentage, of course, decreasing as the smount of steam delivered increases."

PREFERS HIS BUSINESS TO HORSE SHOW RING

His Grit and Integrity

NEW YORK, Nov. 24.—Harry Payne ing telegrams from his friends, from H. was announced twice last week that he B. Duryea, his racing partner, and even was ready to leave and last Wednesday a young man of his wealth might be ex- leave on the Majestic next Wednesday. pected to choose New York with the captals of the world to select from.

chased in Colorado, Mexico and other ened "The Eternal City" were support- bery was the object in both cases. oints in the West and Southwest. More than a year ago William C.

interests to his son, but this is the first sympathize. But I had to consider the Saunders, a colored porter at the factime Harry Payne Whitney has engaged American public and its demands. actively in the details of the property which he will inherit some day. The between the povelist and the dramatist. party was composed of the men who The novelist has a message; the dramatrepresent the capital behind the Ameri- ist's prime purpose is to amuse. Should can Smelting and Refining Company and I write a novel to please one public, the Guggenheim Exploration Company, and then change it to meet the popular They went West to perfect the consoli- cry of another, I would be nothing but dation of what is known as the "Smel- a 'literary time-server." ter Trust" for the former concern and to acquire new properties for the lat- his manager, his theater, and the com-

Mr. Guggenheim, in speaking of the trip last night, said:

"Mr. Whitney evinced the greatest interest in the work and seemed to enjoy the most intricate details. He showed himself to be a young man who will take his place in the financial world."

WILL OF SAMUEL S. TAYLOR.

Samuel S. Taylor, by his will, dated October 10 last, filed today for probate | Acting on the advice of the Computing in the office of the Register of Wills for Engineer, the District Commissioners the District, leaves his estate to his will inform the North Capitol and Eck-"At the refrigerator the liquid service | wife, Adaline Taylor, for life. Upon her | ington Citizens' Association that the im death it is directed that the property shall be equally divided among his children, Samuel S. Taylor, Jr., Mrs. Minnie Carter, and Georgiana Taylor. John G.

Chillies and Lecard Straight and Cincinnati Streets Corthwest, between Balary and Street, westerday and drank so much of it that he became unconscious association complained that the surface He was removed to the Emergency Hos-Challice and Leonard Stabler are named as executors of the will.

HALL CAINE RESPECTS MACHINIST FOUND DEAD THE ALMIGHTY DOLLAR

Turn of Valve Raises or Harry Payne Whitney Proves Manx Dramatico - Novelist Expounds His Views.

> NEW YORK, Nov. 24.-Hall Caine, the Thitney business man, returned to Manx dramatico-novelist, has at last de-

He was seen this morning at the Plaza ing a perfectly legitimate criticism.

"I think," he added, "that it is one

"I wish to draw a decided distinction

"But in the drama one must consider pany that depends upon the success of the play, for salaries; so when those came to me who said that Roma's character must be regenerated for the American public, I naturally listened to them, and when I consider the financial will success the American version is meeting, they seem to me to have justified

STREET REPAIRS NOT FEASIBLE.

WITH HEAD CRUSHED IN

Discovered by Brother. CINCINNATI, Nov. 24 .- Edward Saat-

from his father, and struck to business and last Saturday were fixed as sailing murdered and had been missing since been rifled. The police think an employe of the

Hotel where he expounded his views of firm is responsible for this murder and Mr. Whitney returned with Daniel the two "Romas" and the American that of Joseph Seifert, an old engineer, With them they brought theatergoing public. He was willing to which happened a few weeks ago, both deeds to nearly \$10,000,000 in silver, lead grant that these who centended that the of which occurred at the same place. and copper mines which they had pur- expurgation of Roma's character weak- Seifert's murder was never solved. Rob-

Several fires of incendiary origin have occurred in the plant and the police Whitney announced that he had retired with which Mr. Beerbohm Tree, who is blame the same man. The police late from business and would intrust his vast playing in the English production, would last night arrested on suspicion Isaac

CONDEMNED MURDERER

SINCLAIR UNREPENTENT soon be sentenced to death upon the gallows, has not yet begun spiritual prepa- about it rations for his approaching end.

He denies that he believes in the existence of God, but acknowyledges that there is a devil.

ago by the Rev. John Roberts, the jail missionary, to begin preparations for death by asking God's forgiveness Sinclair was convicted of the murder

A B C Alley northwest.

FOUR-YEAR-OLD BOY OVERCOME BY WHISKY

James Bundy, four years of age, found bottle of whisky at his home, 1708 Seaton Street, yesterday and drank so much of it that he became unconscious. pital, where, after working over him for some time, the physicians relieved him

ALLEGED PLOT TO KILL PRESIDENT OF FRANCE

Cincinnati Superintendent Fight at Italian Wedding Dr. Wiley Experimenting Gives Rise to Report

NEW YORK, Nov. 24 .- A report was kamp, assistant superintendant of the affoat today that the police had arrested have been selected by Dr. W. H. Wiley, New York last night. He had missed cided to sail for England and leave his horse show, disregarding importun- play, "The Eternal City," to its fate. It third floor of the plant this morning by France. The men arrested were Dom- gratis of Uncle Sam's bounteous fare for his brother. He had been mysteriously inick Santo, thirty-six years old, who the next year in exchange for their lendsaid he lived at 220 Harrison Street, Jer- ing themselves to certain food experiir a trip of five weeks, just at the time days for him. Now he says that he will Saturday afternoon. His pockets had sey City, and Tony Menz, twenty-nine ments, will not begin their dieting for years old, who lives at 15 Madison Street this city.

> betrayed secrets of an alleged anarchistic order. Investigation showed that the men did

that one of the men carried a map of Paris, with certain public buildings marked. What the man did carry way an ordinary guide book such as any tourist intending to visit Paris would purchase. The buildings marked were the places of interest to visitors.

At 6 Roosevelt Street, where a secre meeting was said to have been in prog-John Sinclair, colored, who last week ress, when the men came to blows last was convicted of murder and who will night, an Italian wedding was being soiemnized, and there was nothing secret

The police arrested the men charge of disorderly conduct.

An Enjoyable Concert.

The Washington Saengerbund entertained its numerous members and friends last night at the club house with his sins. The minister was horrified by a selected program of vocal and instru-the reply, "I can't go your way—I'm mental music. Among the contributors going to the devil." to the program were Master Acita Zitto the program were Master Acita Zitof Daisy Maddox on April 15 last in kala-ze, Mrs. Blanche Mattingly-Rogers, Charles Myers, Mrs. Margaret Nolan-Martin, and Mr. Werres. The entertainment was under the direction of

> CASTORIA For Infants and Children. The Kind You Have Always Bought

PREPARING UNCLE SAM'S FOOD-TESTING KITCHEN

With Culinary Apparatus.

Although the twelve young men who several days, Dr. Wiley was busily engaged today in testing the culinary ap-According to the story the men were made to fight because one of them had provided in the basement of the big local disease has become constitutional, building.

Every detail of the work is being care fully studied out by Dr. Wiley with the not know anything about anarchy, and purpose of carrying out to the letter the less about anarchists. The story said instructions contained in the last appropriation act, directing that the experiments be undertaken for the purpos of ascertaining whether boric acid and other food preservatives are injurious to health.

Dr. Wiley stated this morning that it would be several months before he could obtain any results from the experiment and that in the meantime it would be only a matter of carefully watching the effect of the dieting upon those who are giving their services to the experiment

WASHINGTON PEOPLE AT THE NEW YORK HOTELS

Ashland-P. F. Gormley. Broadway Central-Mrs. Miller, E. Francis, H. A. Kelly. Cosmopolitan—S. L. Apple, Mrs. F. Taylor,

Cosmopolitan—S. L. Apple, Mrs. P. 1aylor, Mrs. D. J. Apple, A. H. Cohen.
Criterion—S. Cozzens, H. J. Mullin.
Grand Union—D. A. Salmon, C. M. Johnston, E. T. Harding, C. S. Elliot.
Herald Square—C. B. Cheyney, M. Bogatt, O. J. Moah, H. M. Elingsley, W. P. Hanson.
Imperial—M. Splain, O. H. Plant, L. Ashford.
Manhattan—Mrs. C. D. Clark, J. P. Parry.
Park Avenue—D. MacLeod, W. Walter, F.

Victoria-H. J. Lauck, Miss Lauck, A Prof. Henry Xander. On Wednesday evening the Saengerbund will hold its. Thanksgiving Eve tanzkraenzchen.

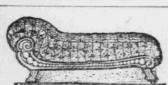
Parker. Waldorf—S. W. Tullock, Count Cassini, Mile. I. Desplanques, A. Parlow, Mr. and Mrs. G. S. Wainwright, C. W. Dudley.

The Store That Saves You Money. THE HUB FURNITURE CO.

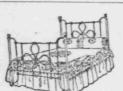
We inaugurate this week a special sale to reduce our immense stocks of fine Furniture and Carpets



A complete Learnem action Consisting of a large, handsome dressing case, swelled front, with



Couch, with handsome oak \$9.50



Our Metal Bed stock the largest in the city, both in brass and enam-

A heavy brass trimmed \$2.95 white enameled Bed...... A white enameled Bed. dou- 980



Parlor Suite, with fine silk damas! tufted back, \$33.50 spring edge.

A Parlor Suite, consisting \$7.50

Paid to Mail Orders.





A pretty tufted oak frame \$6.50 A good velour covered oak \$3.75



Particular Attention



shown

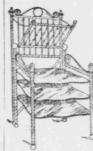
49°



A very handsome swelled front Dress-ing Case, with large beveled edge mir-ror; beautiful golden oak finish,

> Payments Made to Suit.

\$12.50



A handsome Book Shelf, gold finish, stands 3 feet high. Less than half its actual value,

\$1.69



A large Golden Oak Combination Case, large Book Case and Desk com-bined. Wo, it \$15.00, for

\$9.95

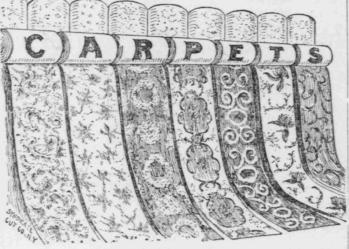
to make room for the incoming Holiday Goods.

We are known for selling at the lowest prices, but this sale climaxes all previous bargain offerings. Remember, cash is not necessary when buying here.



A Complete Dining Room Set.

A large prettily carved Golden Oak Sideboard, 6 high back rs, a handsome oak extension table and a hand round end china closet, \$37.50.



This Carpet and Reg Department demands your consideration for its assortment as well as quality and price.

INGRAIN RUGS.

BRUSSELS RUGS.

VELVET RUGS.

AXMINSTER RUGS.

SMYRNA RUGS

INGRAIN CARPET. BRUSSELS CARPET. VELVET CARPET. AXMINSTER CARPET. SAVONNERIE CARPET. BIGELOW AXMINSTER RUGS. Rugs of every size and description. All floor covering made, laid, and lined free,

Ingrain Carpets.25c upGood Brussels Carpet.65c up2-yd. by 3-yd. fine Jap. Rug..\$7.50 SPECIALS NOT ILLUSTRATED. Good Carpet Sweeper......\$1.19

HUB FURNITURE CO

Formerly Wash B. Williams, Cor. Seventh and D Sts.



sortment of Hall Racks shown in the

city from \$5 to \$150.

A beautiful Golden Oak Hall Rack, oval mirror

\$11.75

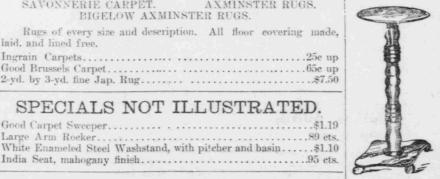
Our Prices

the Lowest.



Round end golden oak China Closet, with mirror top.

\$11.75



This handsome nahogany finish pedestal, heavy an actual \$5 value.

\$2.95



A solid oak Bedroom Suite, 4drawer dressing case, with beveled plate mirror, large, nicely carved bedstead and wash- \$12.95

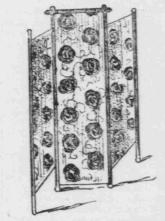
A \$50 quartered oak swelled front Bedroom \$37.50



Great assortment of Extension Tables, in round and square, from a solid oak 6-ft. Table at \$3.75 to \$50. A beautiful Round Table, \$10.50 heavy legs, like cut.....



Handsome quartered Oak Parlor Table, highly pol-\$1.48 24-24-in top solid Oak Par- 790



3-fold 5 ft. high oak frame Screen, pretty designs; a \$1.00 value 590 for.....

CASH OR CREDIT

CATARRH

but it never stops there. The tendency is always from bad to worse. The simple cold becomes a protracted, stubborn one, while the discharge from the nose grows more profuse and offensive. The inflammation extends to the throat and bronchial tubes, causing hoarseness, a tickling sensation and an aggravating cough. The foul matter that is continually dropping back into the throat finds its way into the stomach, resulting in a distressing form of dyspepsia, nausea, and loss of appetite and strength. The catarrhal poisons are ab- THE GATEWAY

blood, and all TO of the body be- CONSUMPTION.

deep seated and chronic Sprays, washes, powders, salves and other external remedies give only temporary relief, and the disappointed and disgusted patient finally gives and disgusted patient finally gives up in despair and declares catarrh incurable.

The only way to get rid of catarrh permanently is to treat it through the blood. The system must be toned up and all impurities removed from the blood, and this S. S. S. does promptly and thoroughly. It expels from the circulation everything of an irritating, poisonous character, allowing the inhamed membranes to heal when the

mucous discharges cease, and the damage done to the health is soon repaired. S. S. S. keeps the blood in such a healthy, vigorous condition that cold, damp weather or sudden changes in the

temperature are not so apt to bring on

catarrhal troubles. S. S. S. is a vege-table medicine unequaled as a blood

purifier, and the best of all tonics-just

e remedy needed to thoroughly and effectually cure catarrh. The Swift Specific Co., Atlanta, Ga.

MEDICAL.

The Man that Knows

It is of the utmost importance that just the ight man be consulted when one is suffering he Brain, Heart, Lungs, Blood or Skin, Nerv-

> Dr. Reed Knows just the right thing in all such

CHARGES LOW, INCLUDING MEDICINES. Private Waiting Rooms for Ladles OFFICE HOURS: 10 to 1, 3 to 6. Sundays 10 to 12.

509 TWELFTH STREET N. W.

without mercury or potash; also stomach, neart, kidney, liver, brain, nervous and femals liseases. No matter what your trouble may be (mental or physical) consult Dr. Shade free of charge. Both sexes strictly confidential

When Others Fail, Consult the German Specialists at the United States Medical Institute.



Corner 13th and G sts.

Perfect manhood should be prized as the greatest gift of man. Are you suf-lering from the effects of nature's violations, acute and chronic complaints in-

RUPIUME CURED without pain or loss X-RAY used for examination, diagnosis, and treatment.

Will if you cannot call. All letters kept strictly confidential and answered in any modern language.

Hours, 10 a. m. to 6 p. m. Tues, and Sat., till 8 p. m. Sundays, 10 a. m. to 12 m. UNITED STATES MEDICAL INSTITUTE.

=DR. CZARRA= Has Removed from 317 6th Street

1233 Pa. ave. aw., Washington, D. C.

to 1233 Pa. Ave. N. W. X-RAY for examination and treatment. Beautiful Violet Ray for treating cancer. The wonderful Static Electricity for curing pain, insomnfa, puritying and invigorating the entire system. Hours, 10 a.m. to 6 p.m. Tuesday and Saturday till 8 p.m. Sundays, 10 a. to 12 m. 1233 PA. AVE. N. W., Washington, D. C.

Mrs. Renner Has removed her city office to 1233 Pa. ave. nw., room 4; office hours, from 10 a. m. to 9 p. m. PRIVATE SANITARIUM and residence at her country place to the second of 19-th

DR. LEATHERMAN, Expert Specialist in the cure of all diseases of a private nature—Debility, Skim and Contagious Blood Diseases (any stage) cured for life.

Consultation free. 602 F St. N. W. OSTEOPATHY.

DR. GEO. D. KIRKPATRICE, Bond Building, 14th and New York ave. aw. Hours 9 to 5. Phone 1563 F. oct-3mos FOR MINCE PIES-Brandy, Our Brandy is pure. It gives an appetizing taste to minus-meat. Postal or phone order-MGF2 A-Port and Sherry, 35e qt.; Catawba, 25c qt. Older Wines at a slight advance in price.

EUGENE SCHWAB, 525 STH STREET SOUTHEAST

Coal Problem Solved!

The CARTER IMPROVED OIL BURNER

numers.
"Bailey"Oil Burner & Transportation Co.," 609 F Street N. W., Washington, D. C. oc26-S0t